

CLAIM AMENDMENTS

IN THE CLAIMS

This listing of the claims will replace all prior versions, and listing, of claims in the application or previous response to office action:

1. **(Currently Amended)** A bag system comprising:
 - a collection machine including a peristaltic pump;
 - a collection device operable to collect a biological fluid;
 - a solution bag containing an anticoagulant and/or preservation solution;
 - a collection bag operable to receive the biological fluid collected and the anticoagulant and/or preservation solution;
 - a first flexible tube providing fluid communication between the collection device and the collection bag;
 - a second flexible tube providing fluid communication between the solution bag and the collection bag;
 - ~~a connector connecting the first and second flexible tubes;~~ and
 - an association device comprising a five-way junction, the five-way junction having a Y junction and an I junction and connecting at least the first and second flexible tubes, the association device forming operable-to-form a loop with the second flexible tube between the I junction association device and the ~~connector~~ Y junction;
 - wherein the loop has a conformation operable to allow its disposition around a head of the peristaltic pump; and
 - wherein the system has a closed circuit.

- 2-3. **(Cancelled).**

4. (Original) The system of Claim ~~[[3]]~~ 1, further comprising the ~~piece~~ association device molded from a sterilizable plastics material.

5-10. (Cancelled).

11. (Original) The system of Claim 1, further comprising a circuit opener disposed near an upstream end of the second tube.

12. (Original) The system of Claim 1, further comprising the length of the first tube between the connector and an inlet orifice of the collection bag greater than 15 cm.

13. (Original) The system of Claim 1, further comprising a part of the second tube forming the loop having a hardness less than that of the first tube.

14. (Original) The system of Claim 1, further comprising a subsystem including:
at least one satellite bag;
at least one filter; and
a third tube providing fluid communication between the satellite bag and the collection bag.

15. (Original) The system of Claim 1, further comprising a subsystem operable to allow sampling of the biological fluid disposed on the first tube upstream of the connector.

16-20. (Canceled).

21. (New) A bag system comprising:
a collection machine including a peristaltic pump;
a collection device operable to collect a biological fluid;

a solution bag containing an anticoagulant and/or preservation solution;
a collection bag operable to receive the biological fluid collected and the anticoagulant and/or preservation solution;
a first flexible tube providing fluid communication between the collection device and the collection bag;
a second flexible tube providing fluid communication between the solution bag and the collection bag;
a connector connecting the first and second flexible tubes; and
an association device operable to form a loop entirely from the second flexible tube with the loop located between the association device and the connector;
wherein the loop has a conformation operable to allow its disposition around a head of the peristaltic pump; and
wherein the system has a closed circuit.

22. (New) The system of Claim 21, further comprising a three way connector to which a downstream end of an upstream part of the first tube, an upstream end of the downstream part of the first tube, and a downstream end of a second tube are connected.

23. (New) The system of Claim 21, further comprising the association device operable to allow fixation of the loop.

24. (New). The system of Claim 21, wherein the association device comprises an object operable to associate the device on the second tube and to associate the first tube on the device.

25. (New) The system on Claim 24, wherein the association of the device on the second tube is nonreversible and the association of the first tube on the device is reversible.

26. (New) The system of Claim 21, wherein the association device further comprises:
a tubular housing operable to receive the second tube by inserting the second tube into the housing; and
a lateral U-shaped housing operable to receive the first tube by snapping the first tube into the housing.
27. (New) The system of Claim 26, further comprising the lateral U-shaped housing operable to receive a downstream part of the first tube.
28. (New) The system of Claim 21, further comprising a subsystem including:
at least one satellite bag;
at least one filter; and
a third tube providing fluid communication between the satellite bag and the collection bag.
29. (New) The system of Claim 21, further comprising the association device molded from a sterilizable plastics material.
30. (New) The system of Claim 21, further comprising a circuit opener disposed near an upstream end of the second tube.
31. (New) The system of Claim 21, further comprising the length of the first tube between the connector and an inlet orifice of the collection bag greater than 15 cm.
32. (New) The system of Claim 21, further comprising a part of the second tube forming the loop having a hardness less than that of the first tube.

33. (New) The system of Claim 21, further comprising a subsystem operable to allow sampling of the biological fluid disposed on the first tube upstream of the connector.